TEN

Docket No.

263761US0X PCT

### IN THE UNITED STATES

IN RE APPLICATION OF: Friedrich G. SCHMIDT, et al.

SERIAL NO:

10/519,402

FILED:

September 9, 2005

FOR:

POLYMER COMPOSITIONS MADE FROM POLYMERS AND IONIC LIQUIDS

## **INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

#### REFERENCES

| The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed |
|---|
| references are attached, where required, as are either statements of relevancy or any readily available English   |
| translations of pertinent portions of any non-English language references.  |

☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

#### RELATED CASES

Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.

A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

#### CERTIFICATION

| Each item of information contained in this information disclosure statement was first cited in any communication    |
|---|
| from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of |
| this statement  |

□ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

#### **DEPOSIT ACCOUNT**

Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

TRADEMARK OFFICE

OBLON, SPIVAK, McCLELLAND

MAIER & NEUSTADT, P.C.

Norman F. Obløn

Charles A. Wendel

Registration No. 24,453

Customer Number

22850

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| Form PTO 1449   | U.S. DEPARTMENT OF COMMERCE         |  | ATTY DOCKET NO. |   | SERIAL NO.  |            |                    |
|---|-------------------------------------|--|-----------------|---|-------------|------------|--------------------|
| (Modified)  |                                     | PATENT AND TRAC                            | EMARK OFFICE    | 263761US0X PCT                          |             | 10/519,402 |                    |
| 4   |                                     | APPLICANT                                  |                 |   |             |            |                    |
| LIST OF   | REFE                                | RENCES CITED BY API                        | . —             | Friedrich G. SCHMIDT, et al.            |             |            |                    |
|   |                                     | DEC 04                                     | 2006            | FILING DATE                             |             | GROUP      |                    |
|   |                                     | A DECEMBER                                 | J. C            | September 9, 2005                       |             | 1714       |                    |
|   |                                     | d TRADE                                    | AARWA           | U.S. PATENT DOCUMENTS                   |             | ·          |                    |
| EXAMINER  |                                     | DOCUMENT                                   | Ĭ               | NAME                                    | 01.400      | SUB        | FILING DATE        |
| INITIAL   |                                     | NUMBER                                     | DATE            | NAME                                    | CLASS       | CLASS      | IF APPROPRIATE     |
|   | AA                                  | 5,404,915                                  | 04/11/95        | MÜGGE ET AL                             |             |            |                    |
|   | AB                                  | 5,313,987                                  | 05/24/94        | RÖBER ET AL                             |             |            |                    |
|   | AC                                  | 5,500,263                                  | 03/19/96        | RÖBER ET AL                             |             |            |                    |
|   | AD                                  | 5,512,342                                  | 04/30/96        | RÖBER ET AL                             |             |            |                    |
|   | AE                                  | 5,554,426                                  | 09/10/96        | RÖBER ET AL                             |             |            |                    |
|   | AF                                  | 5,858,492                                  | 01/12/99        | RÖBER ET AL                             |             |            |                    |
|   | AG                                  | 5,798,048                                  | 08/25/98        | RIES                                    |             |            |                    |
|   | АН                                  | 6,161,879                                  | 12/19/00        | RIES ET AL                              |             |            |                    |
| _   | Al                                  | 6,528,137                                  | 03/04/03        | FRANOSCH ET AL                          |             |            |                    |
|   | AJ                                  | 6,680,093                                  | 01/20/04        | RIES ET AL                              |             |            |                    |
|   | AK                                  | 6,090,459                                  | 07/18/00        | JADAMUS ET AL                           |             |            |                    |
|   | AL                                  | 6,451,395                                  | 09/17/02        | RIES ET AL                              |             |            |                    |
|   | AM 6,428,866 08/06/02 JADAMUS ET AL |  |                 |   |             |            |                    |
|   | AN                                  | 2002/0142118                               | 10/03/02        | SCHMITZ ET AL                           |             |            |                    |
| _   |                                     | <del> </del>                               | FO              | REIGN PATENT DOCUMENTS                  |             | -          |                    |
| DOCUMENT TRANSLATION TRANSLATION  |                                     |  |                 |   |             |            |                    |
|   |                                     | DOCUMENT<br>NUMBER                         | DATE            | COUNTRY                                 |             | YES        |                    |
|   | AO                                  |  |                 |   |             |            |                    |
|   | AP                                  |  |                 |   |             |            |                    |
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|   | AT                                  |  |                 |   |             |            |                    |
|   | AU                                  |  |                 |   |             |            |                    |
|   | AV                                  |  |                 |   |             |            |                    |
| L   |                                     | OTHER RE                                   | FERENCES (I     | ncluding Author, Title, Date, Pertinent | t Pages, et | tc.)       |                    |
| I   |                                     |  | <u> </u>        |   |             |            | <del></del>        |
|   | AW                                  |  |                 |   |             |            |                    |
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|   | AY                                  |  |                 |   |             |            |                    |
|   |                                     |  |                 |   | Ι           |            |                    |
|   | AZ                                  | AZ Additional References sheet(s) attached |                 |   |             |            |                    |
| Examiner  |                                     |  |                 |   | Date Cor    | nsidered   |                    |
| *Examiner: In   | itial if r                          | eference is considered,                    | whether or not  | citation is in conformance with MPEP 60 | 9; Draw lir | ne through | citation if not in |
| conformance and not considered. Include copy of this form with next communication to applicant. |                                     |  |                 |   |             |            |                    |

| Form PTO 1449                         |  |                    | ATTY DOCKET NO.              |  | SERIAL NO.  |              |                       |            |
|---------------------------------------|--|--------------------|------------------------------|--|-------------|--------------|-----------------------|------------|
| (Modified)                            |  | PATENT AND TRAD    | DEMARK OFFICE                | 263761US0X PCT                           |             | 10/519,402   |                       |            |
|                                       |  |                    | APPLICANT                    |  |             |              |                       |            |
| LIST OF REFERENCES CITED BY APPLICANT |  |                    | Friedrich G. SCHMIDT, et al. |  |             |              |                       |            |
|                                       |  |                    |                              | FILING DATE                              |             | GROUP        |                       |            |
|                                       |  |                    |                              | September 9, 2005                        |             | 1714         |                       |            |
|                                       |  |                    |                              | U.S. PATENT DOCUMENTS                    |             |              |                       |            |
| EXAMINER<br>INITIAL                   |  | DOCUMENT<br>NUMBER | DATE                         | NAME                                     | CLASS       | SUB<br>CLASS | FILING D<br>IF APPROF |            |
|                                       | AAA  | 6,783,821          | 08/31/04                     | RIES ET AL                               |             |              |                       |            |
|                                       | ABA  | 2003/0072987       | 04/17/03                     | RIES ET AL                               |             |              |                       |            |
|                                       | ACA  | 2003/0124281       | 07/03/03                     | RIES ET AL                               |             |              |                       |            |
|                                       | ADA  | 2004/0140668       | 07/22/04                     | MONSHEIMER ET AL                         |             |              |                       | _          |
|                                       | AEA  | 2004/0202908       | 10/14/04                     | SCHMITZ ET AL                            |             |              |                       |            |
|                                       | AFA  | 7,025,842          | 04/11/06                     | MONSHEIMER ET AL                         |             |              |                       |            |
|                                       | AGA  | 2004/0265527       | 12/30/04                     | SCHMITZ ET AL                            |             |              |                       |            |
|                                       | AHA  | 2006/0083882       | 04/20/06                     | SCHMITZ ET AL                            |             |              | ·                     | ·          |
|                                       | AIA  | 2006/0078752       | 04/13/06                     | SCHMITZ ET AL                            |             |              |                       |            |
|                                       | AJA  | 2006/0099478       | 05/11/06                     | SCHMITZ ET AL                            |             |              |                       |            |
|                                       | AKA  | 2006/0141188       | 06/29/06                     | SCHMITZ ET AL                            |             |              |                       |            |
|                                       | ALA  | 6,335,101          | 01/01/02                     | HAEGER ET AL                             |             |              |                       |            |
|                                       | AMA  | 2001/0018105       | 08/30/01 SCHMITZ ET AL       |  |             |              |                       |            |
|                                       | ANA  | 6,355,358          | 03/12/02                     | BÖER ET AL                               |             |              |                       |            |
|                                       |  |                    | FO                           | REIGN PATENT DOCUMENTS                   |             | •            |                       |            |
| DOCUMENT DATE COUNTRY TRANSL          |  |                    |                              |  | TRANSLATION | J            |                       |            |
| j                                     |  | NUMBER             | DATE                         | COUNTRY                                  | COUNTRY     |              |                       | NO         |
|                                       | AOA  |                    |                              |  |             |              |                       |            |
|                                       | APA  |                    |                              |  |             |              |                       |            |
|                                       | AQA  |                    | _                            |  | _           |              |                       |            |
|                                       | ARA  |                    |                              |  |             |              |                       |            |
|                                       | ASA  |                    |                              |  |             |              |                       |            |
|                                       | ATA  |                    |                              |  |             |              |                       |            |
|                                       | AUA  |                    |                              |  |             |              |                       |            |
|                                       | AVA  |                    | ļ                            |  | ,           |              |                       |            |
|                                       |  | OTHER RE           | FERENCES (                   | Including Author, Title, Date, Pertinent | t Pages, et | tc.)         |                       |            |
|                                       | AWA  |                    |                              |  |             |              | · •                   |            |
|                                       | AXA  |                    |                              |  |             |              |                       |            |
|                                       | AYA  |                    |                              |  |             |              |                       |            |
|                                       | AZA  |                    |                              |  | Addi        | tional Refe  | rences sheet(s        | ) attached |
| Examiner                              |  |                    |                              |  | Date Cor    | sidered      |                       |            |
|                                       | *Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                    |                              |  |             |              |                       |            |

| Form PTO 1449 U.S. DEPARTMENT OF COMMERCE |   | ATTY DOCKET NO.                         |                              | SERIAL NO.                               |             |              |                       |           |
|---|---|---|------------------------------|--|-------------|--------------|-----------------------|-----------|
| (Modified) PATENT AND TRADEMARK OFFICE    |   | 263761US0X PCT 10/519,402               |                              |  |             |              |                       |           |
|   |   | APPLICANT                               |                              |  |             |              |                       |           |
| LIST OF REFERENCES CITED BY APPLICANT     |   |   | Friedrich G. SCHMIDT, et al. |  |             |              |                       |           |
|   |   |   |                              | FILING DATE                              |             | GROUP        |                       |           |
|   |   |   |                              | September 9, 2005                        |             | 1714         | ·                     |           |
|   |   | _                                       |                              | U.S. PATENT DOCUMENTS                    |             |              |                       |           |
| EXAMINER<br>INITIAL                       |   | DOCUMENT<br>NUMBER                      | DATE                         | NAME                                     | CLASS       | SUB<br>CLASS | FILING D<br>IF APPROP |           |
|   | AAB   | 6,793,997                               | 09/21/04                     | SCHMITZ                                  |             |              |                       |           |
|   | ABB   | 6,579,581                               | 06/17/03                     | BARTZ ET AL                              |             |              |                       |           |
|   | ACB   | 6,677,015                               | 01/13/04                     | HIMMELMANN ET AL                         |             |              |                       |           |
|   | ADB   | 6,794,048                               | 09/21/04                     | SCHMITZ ET AL                            | _           |              |                       |           |
|   | AEB   | 6,660,796                               | 12/09/03                     | SCHUELER ET AL                           |             |              |                       |           |
|   | AFB   | 6,407,182                               | 06/18/02                     | MAUL ET AL                               |             |              |                       |           |
|   | AGB   | 6,391,982                               | 05/21/02                     | HAEGER ET AL                             |             |              |                       |           |
|   | AHB   | 6,538,073                               | 03/25/03                     | OENBRINK ET AL                           |             |              |                       |           |
|   | AIBB  | 6,726,999                               | 04/27/04                     | SCHUELER ET AL                           |             |              | ·                     |           |
|   | AJB   | 2003/0212174                            | 11/13/03                     | PEIRICK ET AL                            |             |              | 1000                  |           |
|   | AKB   | 6,766,091                               | 07/20/04                     | BEUTH ET AL                              |             |              |                       |           |
|   | ALB   | 2006/0100323                            | 05/11/06                     | SCHMIDT ET AL                            |             |              |                       |           |
|   | AMB   |   |                              |  |             |              |                       |           |
|   | ANB   | - * - * - * - * - * - * - * - * - * - * |                              |  |             |              |                       |           |
|   | •   |   | FO                           | REIGN PATENT DOCUMENTS                   |             |              |                       |           |
| DOCUMENT                                  |   |   |                              |  |             | TRANSLATION  |                       |           |
|   |   | NUMBER                                  | DATE                         | COUNTRY                                  |             | YES          | 5 1                   | <b>VO</b> |
|   | AOB   |   |                              |  |             |              |                       | -         |
|   | APB   |   |                              |  |             |              |                       |           |
|   | AQB   |   |                              |  |             |              |                       |           |
|   | ARB   |   |                              |  |             |              |                       |           |
|   | ASB   |   |                              |  |             |              |                       |           |
|   | ATB   |   |                              |  |             |              |                       |           |
|   | AUB   |   |                              |  |             |              |                       |           |
|   | AVB   |   |                              |  |             |              |                       |           |
|   |   | OTHER RE                                | FERENCES (                   | Including Author, Title, Date, Pertinent | Pages, et   | tc.)         |                       |           |
|   | AWB   |   |                              |  |             |              |                       |           |
|   | AXB   |   |                              |  |             | -            |                       |           |
|   | АҮВ   |   |                              |  |             |              |                       |           |
|   | AZB   |   |                              |  | Addi        | tional Refe  | rences sheet(s)       | attached  |
| Examiner                                  | Examiner Date Considered  |   |                              |  |             |              |                       |           |
| *Examiner: In                             | itial if r  | eference is considered,                 | whether or not               | citation is in conformance with MPEP 60  | 9; Draw lir | ne through   | citation if not in    |           |
| conformance                               | conformance and not considered. Include copy of this form with next communication to applicant. |   |                              |  |             |              |                       |           |



LIST OF RELATED CASES CITED BY APPLICANT UNDER 37 CFR 1.56

Docket No.: 263761US0X PCT

Serial No.: 10/519,402

Inventor: Friedrich G. SCHMIDT, et al.

Filing Date: September 9, 2005

Group: 1714

# LIST OF RELATED CASES

| Examiner<br><u>Initial</u> | Docket No.      | Serial or Patent Number | Filing or<br><u>Issue</u><br><u>Date</u> | Patent App.  Publication No. | Inventor or Applicant |
|----------------------------|-----------------|-------------------------|--|------------------------------|-----------------------|
|                            | 0689-0377-0     | 5,404,915               | 04/11/95                                 |                              | MÜGGE, et al.         |
|                            | 0689-0394-0     | 5,313,987               | 05/24/94                                 |                              | RÖBER, et al.         |
|                            | 0689-0451-0     | 5,500,263               | 03/19/96                                 |                              | RÖBER, et al.         |
|                            | 0689-0454-0     | 5,512,342               | 04/30/96                                 |                              | RÖBER, et al.         |
|                            | 0689-0503-0     | 5,554,426               | 09/10/96                                 |                              | RÖBER, et al.         |
|                            | 0689-0591-0     | 08/609,612              | 03/01/96                                 |                              | JADAMUS, et al        |
|                            | 0689-0567-0     | 5,858,492               | 01/12/99                                 |                              | ROEBER, et al.        |
|                            | 0689-0595-0     | 5,798,048               | 08/25/98                                 |                              | RIES                  |
|                            | 0689-0693-3     | 6,161,879               | 12/19/00                                 |                              | RIES, et al.          |
|                            | 0689-0692-0     | 6,528,137               | 03/04/03                                 |                              | FRANOSCH, et al.      |
|                            | 0689-0761-0     | 6,680,093               | 01/20/04                                 |                              | RIES, et al.          |
|                            | 0689-0591-0FWC  | 6,090,459               | 07/18/00                                 |                              | JADAMUS, et al.       |
|                            | 9350-0087-0     | 6,451,395               | 09/17/02                                 |                              | RIES, et al.          |
|                            | 0689-0813-0 DIV | 6,428,866               | 08/06/02                                 |                              | JADAMUS, et al.       |
|                            | 211217US0       | 10/024,386              | 12/21/01                                 | US2002/0142118<br>A1         | SCHMITZ, et al.       |
|                            | 213260US0       | 6,783,821               | 08/31/04                                 |                              | RIES, et al.          |
|                            | 222632US0       | 10/269,052              | 10/11/02                                 | US2003/0072987<br>A1         | RIES, et al.          |

<sup>\*</sup>Present Application; listed for information NFO/sbs

| 230320US0     | 10/329,531 | 12/27/02 | US2003/0124281<br>A1 | RIES, et al.       |
|---------------|------------|----------|----------------------|--------------------|
| 236706US0     | 10/670,528 | 09/26/03 | US2004/0140668<br>A1 | MONSHEIMER, et al. |
| 245964US0     | 10/820,862 | 04/09/04 | US2004/0202908<br>A1 | SCHMITZ, et al.    |
| 244646US6     | 7,025,842  | 04/11/06 |                      | MONSHEIMER, et al. |
| 243915US0CONT | 10/681,279 | 10/09/03 | US2004/0265527<br>A1 | SCHMITZ, et al.    |
| 290167US0PCT  | 10/580,194 | 05/23/06 |                      | KUHMANN, et al.    |
| 293369US0PCT  | 10/588,487 | 08/04/06 |                      | SCHMITZ, et al.    |
| 278180US0     | 11/240,493 | 10/03/05 | US2006/0083882<br>A1 | SCHMITZ, et al.    |
| 278380US0     | 11/246,274 | 10/11/05 | US2006/0078752<br>A1 | SCHMITZ, et al.    |
| 278614US0     | 11/246,206 | 10/11/05 | US2006/0099478<br>A1 | SCHMITZ, et al.    |
| 286464US0CONT | 11/357,971 | 02/22/06 | US2006/0141188<br>A1 | SCHMITZ, et al.    |
| 9350-0148-0   | 6,335,101  | 01/01/02 |                      | HAEGER, et al.     |
| 195464US0     | 09/753,613 | 01/04/01 | US2001/0018105<br>A1 | SCHMITZ, et al.    |
| 192058US0     | 6,355,358  | 03/12/02 |                      | BÖER, et al.       |
| 200723US0     | 6,793,997  | 09/21/04 |                      | SCHMITZ            |
| 201899US0     | 6,579,581  | 06/17/03 |                      | BARTZ, et al.      |
| 213227US0     | 6,677,015  | 01/13/04 |                      | HIMMELMANN, et al. |
| 215747US0     | 6,794,048  | 09/21/04 |                      | SCHMITZ, et al.    |
| 213811US0     | 6,660,796  | 12/09/03 |                      | SCHUELER, et al.   |
| 195554US0     | 6,407,182  | 06/18/02 |                      | MAUL, et al.       |
| 9350-0192-0   | 6,391,982  | 05/21/02 |                      | HAEGER, et al.     |
| 9350-0193-0   | 6,538,073  | 03/25/03 |                      | OENBRINK, et al.   |
| 212354US0     | 6,726,999  | 04/27/04 |                      | SCHUELER, et al.   |
|               |            |          |                      |                    |

| 225983US0      | 10/340,663 | 01/13/03 | US2003/0212174<br>A1 | PEIRICK, et al. |
|----------------|------------|----------|----------------------|-----------------|
| 233813US0      | 6,766,091  | 07/20/04 |                      | BEUTH, et al.   |
| 263761US0XPCT* | 10/519,402 | 09/09/05 | US2006/0100323<br>A1 | SCHMIDT, et al. |
| 291789US0PCT   | 10/589,264 | 08/14/06 |                      | WURSCHE, et al. |
| 297261US0      | 11/586 526 | 10/26/06 |                      | WURSCHE, et al. |

Examiner

Date Considered